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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/051,449	01/18/2002	Qian Zhang	MS1.2682US	1890	
22801	7590 10/19/200		EXAM	EXAMINER	
LEE & HAYES PLLC 421 W RIVERSIDE AVENUE SUITE 500			CONTEE, JOY KIMBERLY		
SPOKANE, WA 99201		12 300	ART UNIT	PAPER NUMBER	
•			2686		

DATE MAILED: 10/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

,	Application No.	Applicant(s)			
-	10/051,449	ZHANG ET AL.			
Office Action Summary	Examiner	Art Unit			
	Joy K Contee	2686			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period way failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	ely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 21 Ja	nuary 2005.				
	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims		,			
 4) Claim(s) 3,6-9,12-18,22,23 and 26-28 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 6-9,12-18,22,23 and 26-28 is/are allowed. 6) Claim(s) 3 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examiner	epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892)	. (1) Integritus Super-	(DTO 412)			
 Notice of References Cited (PTO-992) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 6/6/05. 	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:				

Application/Control Number: 10/051,449

Art Unit: 2686

DETAILED ACTION

Allowable Subject Matter

- After reconsidering the claims, the indicated allowability of claim 3 is withdrawn in view of the newly discovered reference to Haglund (US Pub. 2004/0087311).
 Rejections based on the newly cited reference follow.
- 2. Claims 6-9 and 12-18 are allowed.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kinnunen et al. (Kinnunen), U.S. Patent No. 6,813,501, in view of Haglund, U.S. Pub. No. 2004/0087311.

Regarding claim 3,Kinnunen discloses in a mobile ad hoc network having a plurality of nodes, at least one node of which being a resource provider, a quality of service (QoS) aware resource discovery method, comprising the steps of:

generating at least one discovery agent from the plurality of nodes (col. 9,lines 51-52);

Application/Control Number: 10/051,449

Art Unit: 2686

forming at least one dynamic domain within the ad hoc network, each dynamic domain including at least a subset of the nodes as members thereof and one discovery agent, the one discovery agent serving as a home discovery agent for its associated dynamic domain (col. 6,lines 43-63 and col. 9, lines 53-67);

registering a resource by the resource provider with the home discovery agent of the resource provider's associated dynamic domain (col. 10,lines 41-60); generating a query to discover the resource; and discovering the resource (col. 10,lines 8-60) and, wherein the step of generating at least one discovery agent comprises the steps of: broadcasting, by all eligible nodes, existence information including a node address; electing the node that has the smallest node address as an initial discovery agent (col. 11,line 48 to col. 12, line 44).

Kinnunen fails to explicitly disclose selecting by the initial discovery agent, M-1 nodes to be discovery agents, where M is a preselected number of discovery agents and assigning each of the selected nodes and index from the set {2,3,...,M}.

In a similar field of endeavor, Haglund discloses selecting by the initial discovery agent, M-1 nodes to be discovery agents, where M is a preselected number of discovery agents and assigning each of the selected nodes and index from the set {2,3,...,M} pages 3-4 {0030-0040}.

At the time of the invention it would have been obvious to one ordinary skill in the art to modify Kinnunen to disclose selecting by the initial discovery agent, M-1 nodes to be discovery agents, where M is a preselected number of discovery agents and

Art Unit: 2686

assigning each of the selected nodes and index from the set {2,3,...,M} for the purpose of distributing the load between nodes.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joy K Contee whose telephone number is 571.272.7906. The examiner can normally be reached on Monday through Friday, 5:30 a.m. to 2:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold can be reached on 571.272.7905. The fax phone number for the organization where this application or proceeding is assigned is 571.273.8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).